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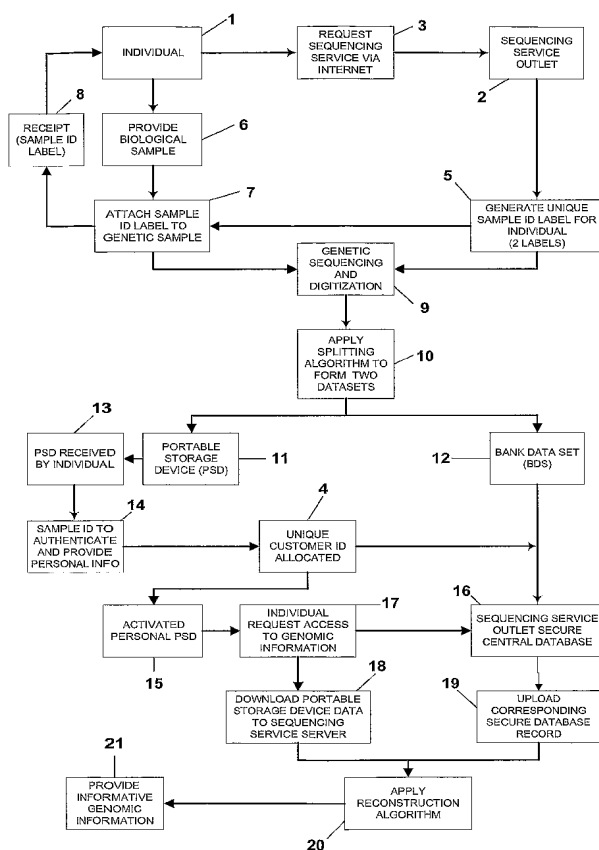
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(54) Title: SECURE TRANSACTION OF DNA DATA



(57) Abstract: A system and method for processing and storing personal information in a secure manner is described. In particular, a system and method for processing, splitting and storing genomic information or portions thereof in a secure electronic format is disclosed. An individual's genomic sequence is digitized and a splitting algorithm applied to fragment and randomise the digitized genomic information into at least two separate datasets. One dataset is retained by the individual and the second dataset is stored on a central server as a secure database record. Each dataset in isolation presents uninformative data and it is only when both datasets are combined, using a reconstruction algorithm to recombine the separate dataset data for an individual that the digitized data is capable of being presented into a useable and informative format.

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